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# SEQUENCE LISTING

<110> Rothschild, Max  
Emnett, Rebecca  
Kim, Kwan

<120> Genetic Markers for Improved Meat Characteristics in Animals

<130> ISURF 2697

<140> 09/538,165

<141> 2000-03-30

<160> 26

<170> PatentIn version 3.0

<210> 1

<211> 746

<212> DNA

<213> Sus scrofa

<220>

<221> variation

<222> (678)..(678)

<223> G/A

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cccagaatcc atactgtgtg tgcttcatgt ctacttttaa tttgtatctc atcctgatca	660
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 ttatcatcac cctattaaac agtacagata cggatgcaca gagtttcaca gtgaatattg 180  
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<220>  
 <221> misc\_feature  
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Leu	Leu	Glu	Asn	Ile	Leu	Val	Ile	Val	Ala	Ile	Ala	Lys	Asn	Lys	Asn
		20					25					30			
Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Ile	Cys	Ser	Leu	Ala	Val	Ala	Asp
	35					40					45				
Met	Leu	Val	Ser	Val	Ser	Asn	Gly	Ser	Glu	Thr	Ile	Ile	Ile	Thr	Leu
50						55					60				

Leu Asn Ser Thr Asp Thr Asp Ala Gln Ser Phe Thr Val Asn Ile Asp  
 65 70 75 80  
 Asn Val Ile Asp Ser Val Ile Cys Ser Ser Leu Leu Ala Ser Ile Cys  
 85 90 95  
 Ser Leu Leu Ser Ile Ala Val Asp Arg Tyr Phe Thr Ile Phe Tyr Ala  
 100 105 110  
 Leu Gln Tyr His Asn Ile Met Thr Val Lys Arg Val Gly Ile Ser Ile  
 115 120 125  
 Ser Cys Ile Trp Ala Ala Cys Thr Val Ser Gly Ile Leu Phe Ile Ile  
 130 135 140  
 Tyr Ser Asp Ser Ser Ala Val Ile Ile Cys Leu Ile Thr Met Phe Phe  
 145 150 155 160  
 Thr Met Leu Ala Leu Met Ala Ser Leu Tyr Val His Met Phe Leu Met  
 165 170 175  
 Ala Arg Leu His Ile Lys Arg Ile Ala Val Leu Pro Gly Thr Gly Ala  
 180 185 190  
 Ile Arg Gln Gly Ala Asn Met Lys Gly Ala Ile Thr Leu Thr Ile Leu  
 195 200 205  
 Ile Gly Val Phe Val Val Cys Trp Ala Pro Phe Phe Leu His Leu Ile  
 210 215 220  
 Phe Tyr Ile Ser Cys Pro Gln Asn Pro Tyr Cys Val Cys Phe Met Ser  
 225 230 235 240  
 His Phe Asn Leu Tyr Leu Ile Leu Ile Met Cys Asn Ser Ile Ile Asp  
 245 250 255  
 Pro Leu Ile Tyr Ala Leu Arg Ser Gln Glu Leu Arg Lys Thr Phe Lys  
 260 265 270  
 Glu Ile Ile Cys Cys Tyr Pro Leu Gly Gly Leu Cys Asp Leu Ser Ser  
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 Arg Tyr Ala Pro Pro Glu Asn Asp Ile Xaa Val Ile Cys Asn Phe Ile  
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 Asp Glu Asn Thr Ile Ala Leu  
 305 310

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Thr Leu Leu Asn Ser Thr Asp Thr Asp Ala Gln Ser Phe Thr Val Asn	35	40	45
Ile Asp Asn Val Ile Asp Ser Val Ile Cys Ser Ser Leu Leu Ala Ser	50	55	60
Ile Cys Ser Leu Leu Ser Ile Ala Val Asp Arg Tyr Phe Thr Ile Phe	65	70	75
Tyr Ala Leu Gln Tyr His Asn Ile Met Thr Val Lys Arg Val Gly Ile	85	90	95
Ile Ile Ser Cys Ile Trp Ala Val Cys Thr Val Ser Gly Val Leu Phe	100	105	110
Ile Ile Tyr Ser Asp Ser Ser Ala Val Ile Ile Cys Leu Ile Thr Val	115	120	125
Phe Phe Thr Met Leu Ala Leu Met Ala Ser Leu Tyr Val His Met Phe	130	135	140
Leu Met Ala Arg Leu His Ile Lys Arg Ile Ala Val Leu Pro Gly Thr	145	150	155
Gly Thr Ile Arg Gln Gly Ala Asn Met Lys Gly Ala Ile Thr Leu Thr	165	170	175
Ile Leu Ile Gly Val Phe Val Val Cys Trp Ala Pro Phe Phe Leu His	180	185	190
Leu Ile Phe Tyr Ile Ser Cys Pro Gln Asn Pro Tyr Cys Val Cys Phe	195	200	205
Met Ser His Phe Asn Leu Tyr Leu Ile Leu Ile Met Cys Asn Ser Ile	210	215	220
Ile Asn Pro Leu Ile Tyr Ala Leu Arg Ser Gln Glu Leu Arg Lys Thr	225	230	235
Phe Lys Glu Ile Ile Cys Cys Tyr	245		

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Ile Asp Pro Leu Ile Tyr Ala Leu  
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Ile Asp Pro Leu Ile Tyr Ala Leu  
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<212> PRT  
<213> Rattus norvegicus

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Met Ser His Phe Asn Leu Tyr Leu Ile Leu Ile Met Cys Asn Ala Val  
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Ile Asp Pro Leu Ile Tyr Ala Leu  
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Met Ser His Phe Asn Met Tyr Leu Ile Leu Ile Met Cys Asn Ser Val  
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Ile Asp Pro Leu Ile Tyr Ala  
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Met Ser His Phe Asn Met Tyr Leu Ile Leu Ile Met Cys Asn Ser Val  
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Ile Asp Pro Leu Ile Tyr Ala  
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<210> 16  
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Met Ser Leu Phe Gln Val Asn Gly Val Leu Ile Met Cys Asn Ala Ile  
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Ile Asp Pro Phe Ile Tyr Ala Leu  
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Ala His Phe Asn Thr Tyr Leu Val Leu Ile Met Cys Asn Ser Val Ile  
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Asp Pro Leu Ile Tyr Ala  
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Asp Pro Leu Ile Tyr Ala  
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<213> Homo sapiens

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Met Asp Pro Leu Ile Tyr Ala  
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Ser Tyr Phe Asn Leu Phe Leu Ile Leu Ile Ile Cys Asn Ser Val Val  
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Asp Pro Leu Ile Tyr Ala  
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Met Asn Pro Ile Ile Tyr Ser Tyr Arg  
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Phe Leu Leu Leu Ala Glu Ala Asn Ser Leu Val Asn Ala Ala Val Tyr  
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Ser Cys Arg

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Pro Leu Ile Tyr Ala Leu  
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Phe Gln Phe Phe Phe Trp Ile Gly Tyr Cys Asn Ser Ser Leu Asn Pro  
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Val Ile Tyr Thr Ile  
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Ile	Leu	Tyr	Ala	Phe	Leu
			20		

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